548,087

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 September 2004 (16.09.2004)

PCT

(10) International Publication Number
WO 2004/079859 A1

(51) International Patent Classification[7]: H01Q 1/32, 3/04, 3/30, 3/26, G01S 3/16, 3/66

(21) International Application Number: PCT/BG2004/000004

(22) International Filing Date: 8 March 2004 (08.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
107622 7 March 2003 (07.03.2003) BG

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(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

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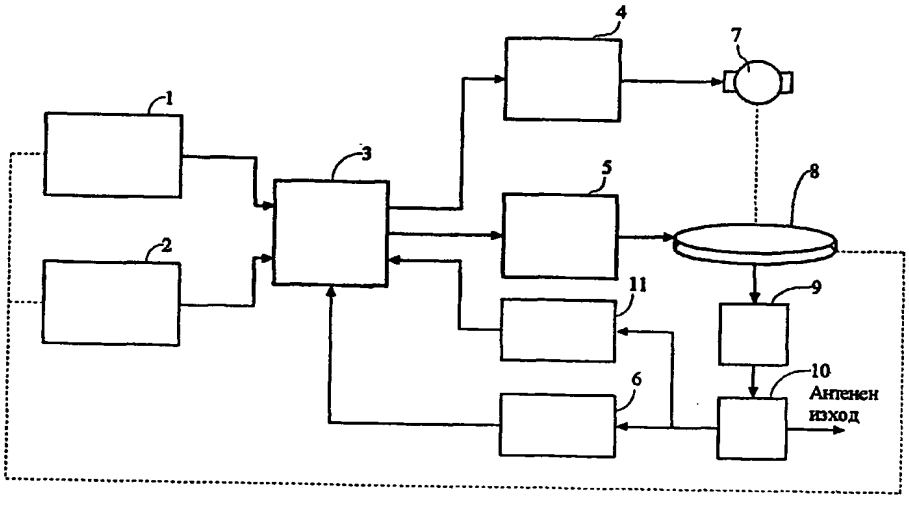
(54) Title: TRACKING SYSTEM FOR FLAT MOBILE ANTENNA



(57) Abstract: Tracking system for flat mobile antenna, which includes : sensors for angular velocity (1), which sense the rotation of the antenna around their axes; sensors, sensing the orientation of the antenna according to vertical axis (2); control block (3), which calculates necessary corrections of the direction of antenna beam and which is connected to outputs of sensors (1, 2) and with inputs of driving block (4) and beam control block (5); at least one motor (7), which changes the orientation of the antenna and which is connected to the output of driving block (4) and which drives the antenna panel (8); block for electronic beam steering (5), which is connected to antenna panel (8); power supply block, which converts the voltage from the electrical network of the vehicle into suitable values for providing of power supply of all blocks of the system.

WO 2004/079859 A1

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations*

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *with international search report*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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